

Converting Colors

CIELCh(31, 36.966, 139.828)

Have a look what the booklet for
CIELCh(31, 36.966, 139.828)
contains.

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Color

CIELCh(31, 37.014, 139.434)

Conversions

Conversions Part 1

Format	Color
Hex	225321
RGB	34, 83, 33
RGB Percent	13%, 33%, 13%
CMY	0.8663, 0.6742, 0.8703
CMYK	0.59, 0.00, 0.60, 0.67
HSL	119°, 43%, 23%
HSV	119°, 60%, 33%
XYZ	4.0381, 6.6515, 2.5157
YIQ	62.6490, -13.1540, -25.9380

Conversions

Conversions Part 2

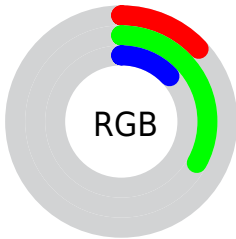
Format	Color
R _Y B	33, 83, 82
Decimal	2249505
CIE Lab	31.00, -28.12, 24.07
CIE LCh	31, 37.014, 139.434
Yxy	6.6515, 0.3058, 0.5037
Android (android.graphics.Color)	4280439585 (0xFF225321)
YUV	62.6490, -14.6170, -25.1252
Hunter-Lab	25.7905, -17.1850, 12.2700




Details

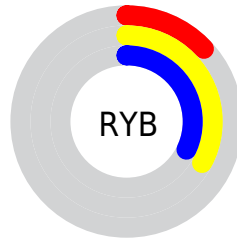
The CIELCh color **31, 37.014, 139.434** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **22, 36.803, 326.629**, and the grayscale version is **27, 0.004, 296.813**.




A 20% lighter version of the original color is **51, 36.874, 139.373**, and **12, 28.494, 142.987** is the 20% darker color. If you saturate the color by 10%, you get **31, 42.081, 138.450**, and if you desaturate by 10%, it is **31, 31.388, 140.393**.

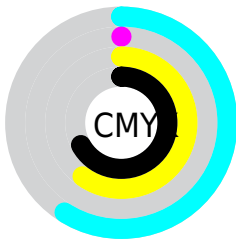
Distribution







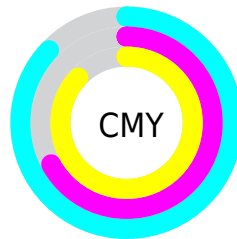
-  Red (13%)
-  Green (33%)
-  Blue (13%)






-  Red (13%)
-  Yellow (33%)
-  Blue (32%)



-  Cyan (59%)
-  Magenta (0%)
-  Yellow (60%)
-  Black (67%)





-  Cyan (87%)
-  Magenta (67%)
-  Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 37.014, 139.434 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 31, 37.014, 139.434 by changing the saturation by 10% instead.


 31, 37.014,
139.434


 31, 37.014,
139.434

 100, 37.014,
139.434


 21, 37.014,
139.434

 51, 37.014,
139.434


 11, 37.014,
139.434


 61, 37.014,
139.434

 1, 37.014, 139.434

 71, 37.014,
139.434

 0, 37.014, 139.434

 81, 37.014,
139.434

 91, 37.014,
139.434

■ 31, 37.014,
139.434

■ 31, 37.014,
139.434

■ 31, 42.081,
138.450

■ 31, 31.388,
140.393

■ 30, 46.380,
137.516

■ 32, 25.382,
141.281

■ 30, 49.722,
136.716

■ 33, 19.145,
142.077

■ 30, 52.858,
135.806

■ 34, 12.796,
142.778

■ 34, 6.428, 143.394

■ 35, 0.112, 145.098

■ 36, 6.102, 324.322

■ 37, 12.179,
324.717

■ 39, 18.097,
325.050

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



31, 37.014, 139.434



22, 36.803, 326.629

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31, 37.014, 139.434



31, 37.014, 189.434



31, 37.014, 319.434



31, 37.014, 9.434

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



31, 37.014, 139.434



43, 14.066, 142.881



34, 28.947, 103.451



21, 9.665, 142.766



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31, 37.014, 139.434



39, 52.511, 138.043



31, 26.232, 156.001



16, 3.471, 143.481



38, 62.052, 135.852



81, 111.435, 135.953

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



22, 36.803, 326.629



27, 51.786, 327.061



21, 27.390, 347.726



15, 3.478, 324.303



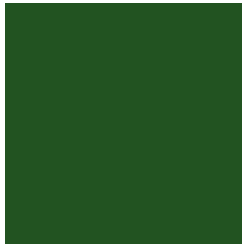
23, 60.056, 327.476



54, 107.707, 327.424

Previews

White Background



This preview shows how the CIELCh color 31, 37.014, 139.434 looks on a white background.

Color Contrast Check

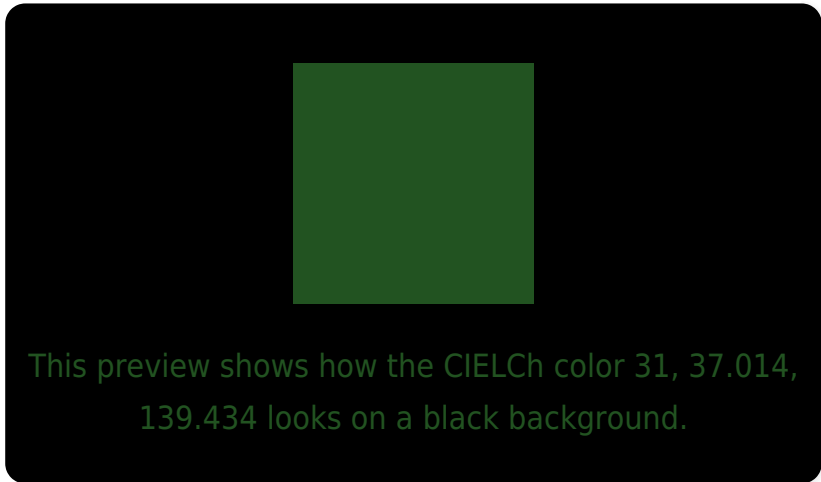
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 31, 37.014, 139.434

Background



This preview shows how black text looks on a background with the CIELCh color 31, 37.014, 139.434.



This preview shows how white text looks on a background with the CIELCh color 31, 37.014, 139.434.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

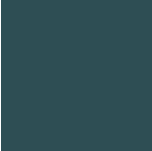
31, 37.014, 139.434

Protanopia

31, 26.655, 96.346

Deuteranopia

31, 22.814, 79.526



Tritanopia
31, 12.307, 216.068

Trichromacy



Original Color
31, 37.014, 139.434

Protanomaly
31, 28.594, 118.084

Deuteranomaly
30, 23.582, 111.848

Tritanomaly
31, 18.253, 165.220

Monochromacy



Original Color
31, 37.014, 139.434

Achromatopsia
27, 0.004, 296.813

Achromatomaly
28, 14.241, 142.943

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 37.014, 139.434 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(34, 83, 33)` looks like.

```
.text, #text, p{  
    color:rgb(34, 83, 33)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(34, 83, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 83, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 37.014, 139.434 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(34, 83, 33) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(34, 83, 33) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(34, 83, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 83, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 83, 33);  
box-shadow:4px 4px 4px 4px rgb(34, 83, 33)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 37.014, 139.434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 83, 33) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(34, 83,  
33) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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